CPU Scheduling algorithms

To write a C program for implementation of Priority scheduling algorithms.

ALGORITHM:

Step 1: Inside the structure declare the variables.

Step 2: Declare the variable i,j as integer, totwtime and totttime is equal to zero.

Step 3: Get the value of “n” assign p and allocate the memory.

Step 4: Inside the for loop get the value of burst time and priority.

Step 5: Assign wtime as zero .

Step 6: Check p[i].pri is greater than p[j].pri .

Step 7: Calculate the total of burst time and waiting time and assign as turnaround time.

Step 8: Stop the program.

To write a C program for implementation of Round Robin scheduling algorithms.

ALGORITHM:

Step 1: Inside the structure declare the variables.

Step 2: Declare the variable i,j as integer, totwtime and totttime is equal to zero.

Step 3: Get the value of “n” assign p and allocate the memory.

Step 4: Inside the for loop get the value of burst time and priority and read the time quantum.

Step 5: Assign wtime as zero.

Step 6: Check p[i].pri is greater than p[j].pri .

Step 7: Calculate the total of burst time and waiting time and assign as turnaround time.

Step 8: Stop the program.

To write a c program to implement Threading and Synchronization Applications.

ALGORITHM:

Step 1: Start the process

Step 2: Declare process thread, thread-id.

Step 3: Read the process thread and thread state.

Step 4: Check the process thread equals to thread-id by using if condition.

Step 5: Check the error state of the thread.

Step 6: Display the completed thread process.

Step 7: Stop the process